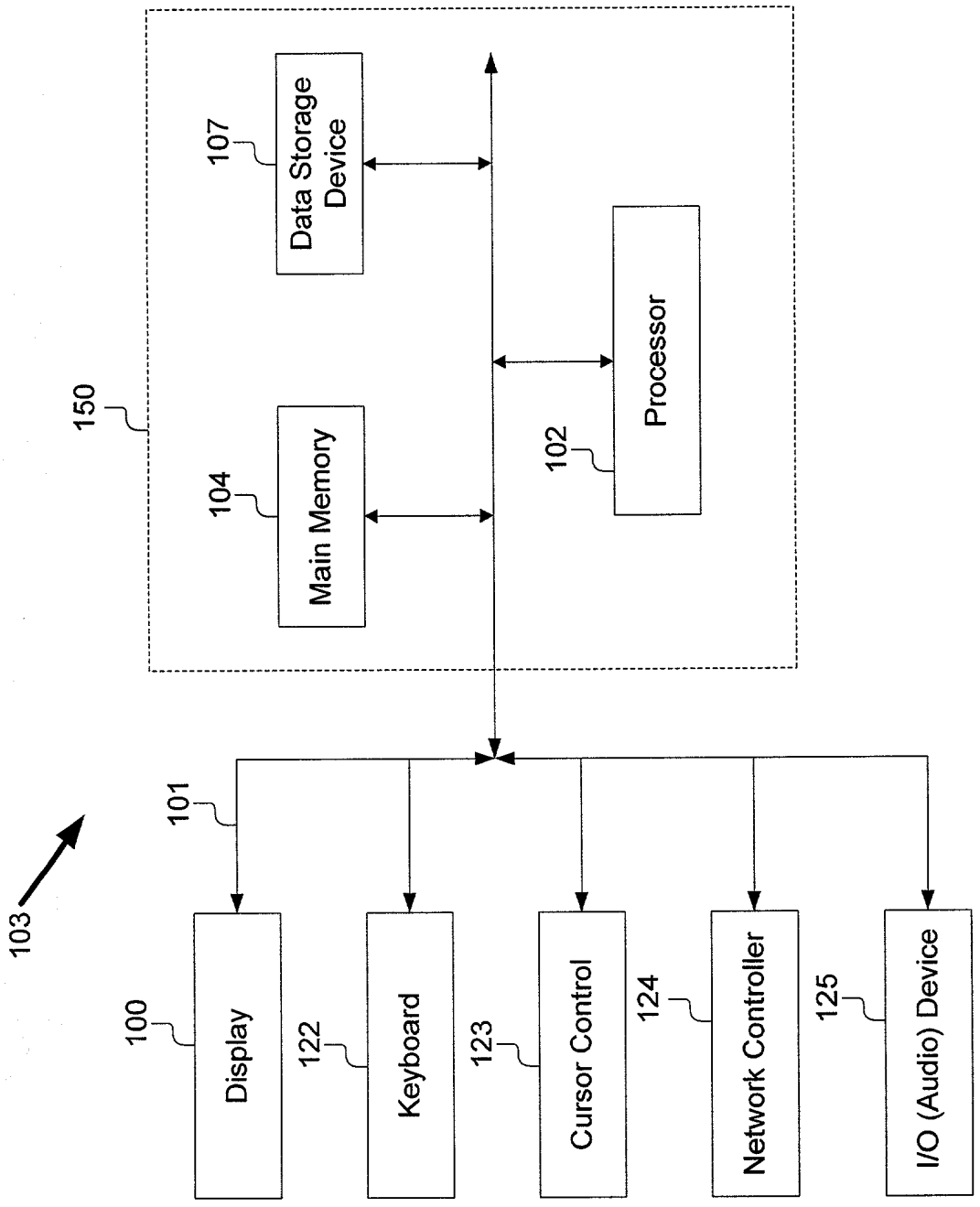
103
101
150
107
Data Storage Device
104
Main Memory
102
Processor
100
Display
122
Keyboard
123
Cursor Control
124
Network Controller
125
I/O (Audio) Device

Figure 1

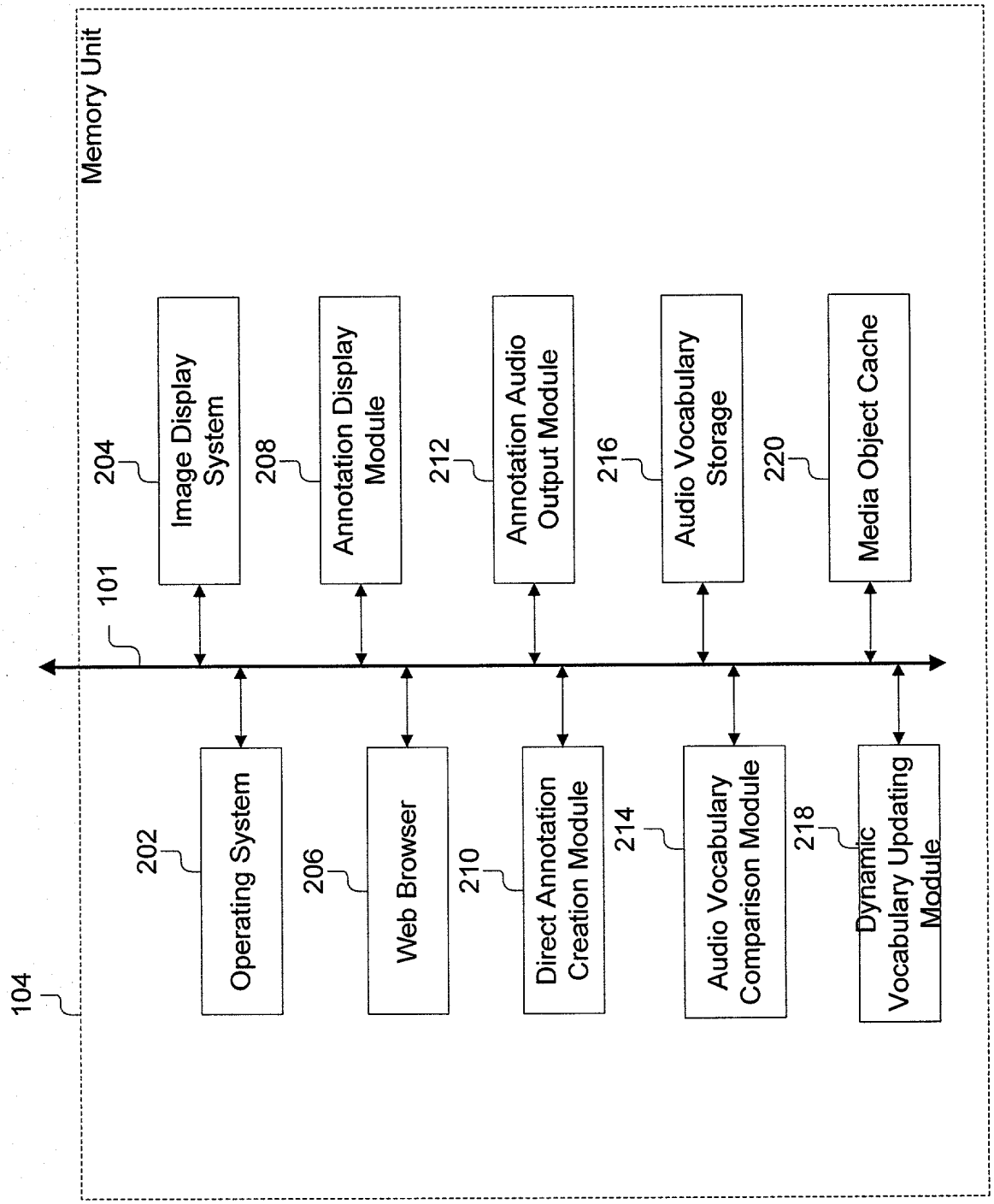
Memory Unit
101
104
Image Display System
204
Annotation Display Module
208
Annotation Audio Output Module
212
Audio Vocabulary Storage
216
Media Object Cache
220
Operating System
202
Web Browser
206
Direct Annotation Creation Module
210
Audio Vocabulary Comparison Module
214
Dynamic Vocabulary Updating Module
218

Figure 2

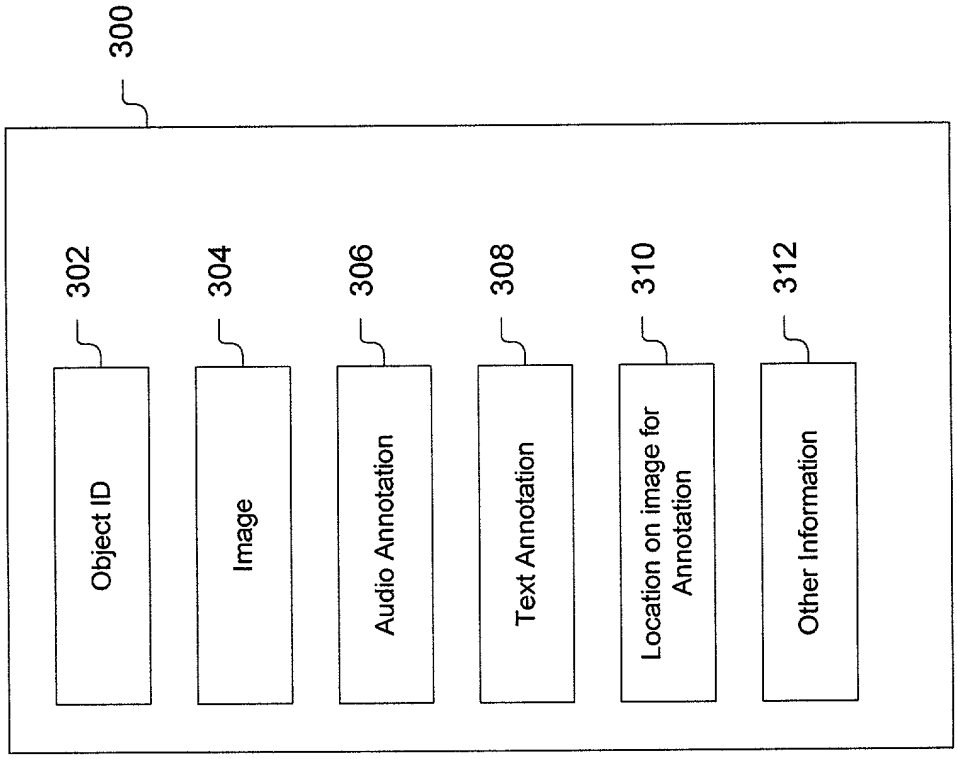
300
302
Object ID
304
Image
306
Audio Annotation
308
Text Annotation
310
Location on image for Annotation
312
Other Information

Figure 3

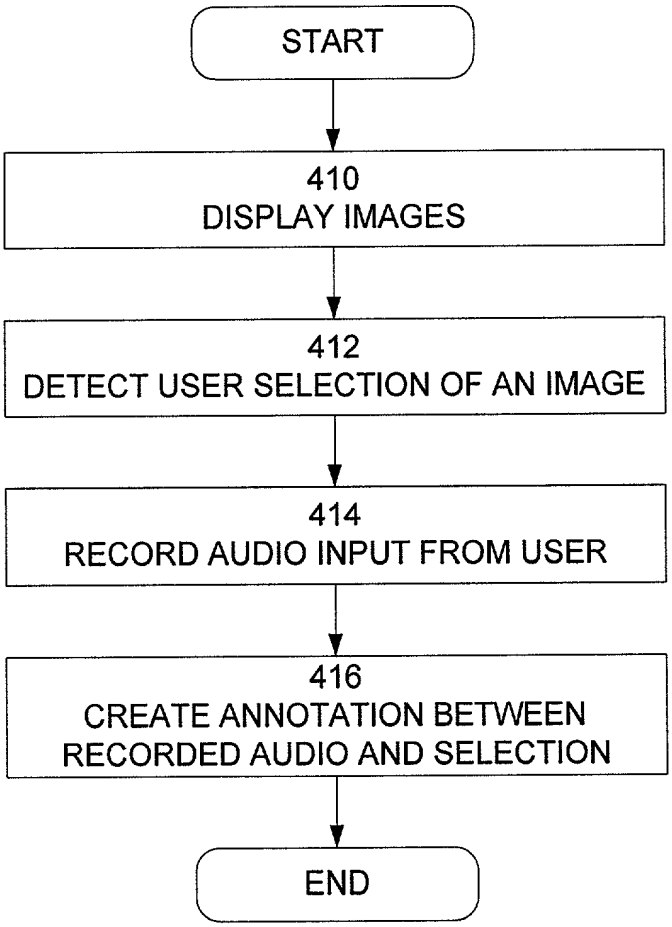
START
410
DISPLAY IMAGES
412
DETECT USER SELECTION OF AN IMAGE
414
RECORD AUDIO INPUT FROM USER
416
CREATE ANNOTATION BETWEEN
RECORDED AUDIO AND SELECTION
END

FIGURE 4

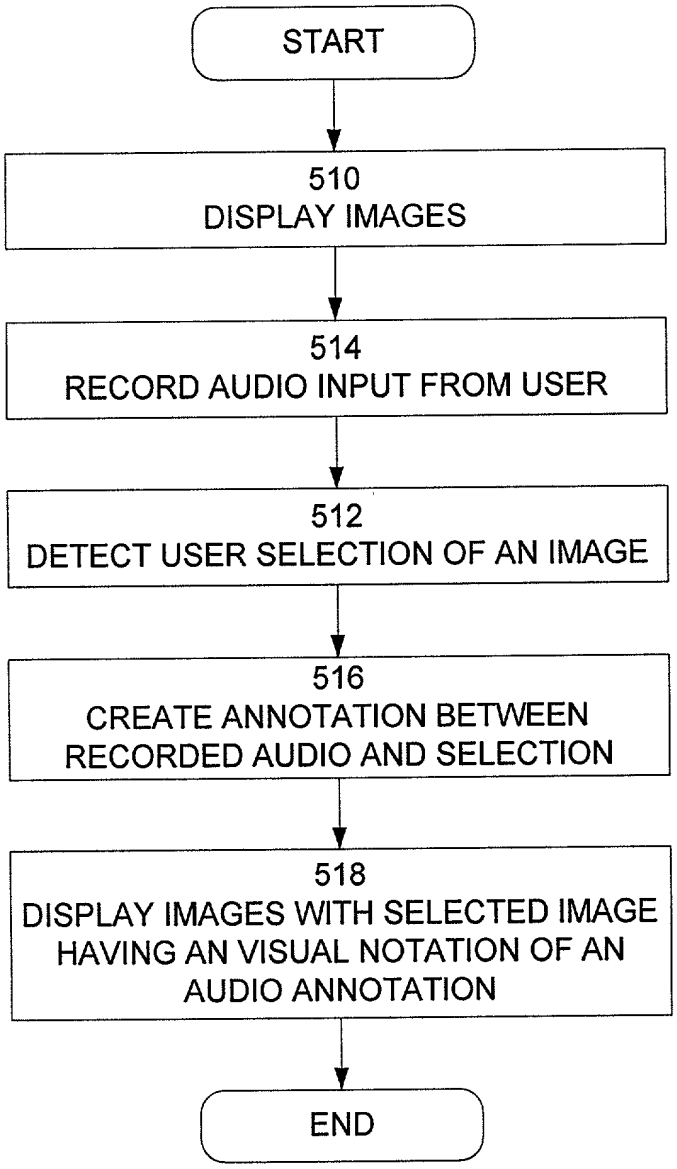
START
510
DISPLAY IMAGES
514
RECORD AUDIO INPUT FROM USER
512
DETECT USER SELECTION OF AN IMAGE
516
CREATE ANNOTATION BETWEEN RECORDED AUDIO AND SELECTION
518
DISPLAY IMAGES WITH SELECTED IMAGE HAVING AN VISUAL NOTATION OF AN AUDIO ANNOTATION
END

FIGURE 5

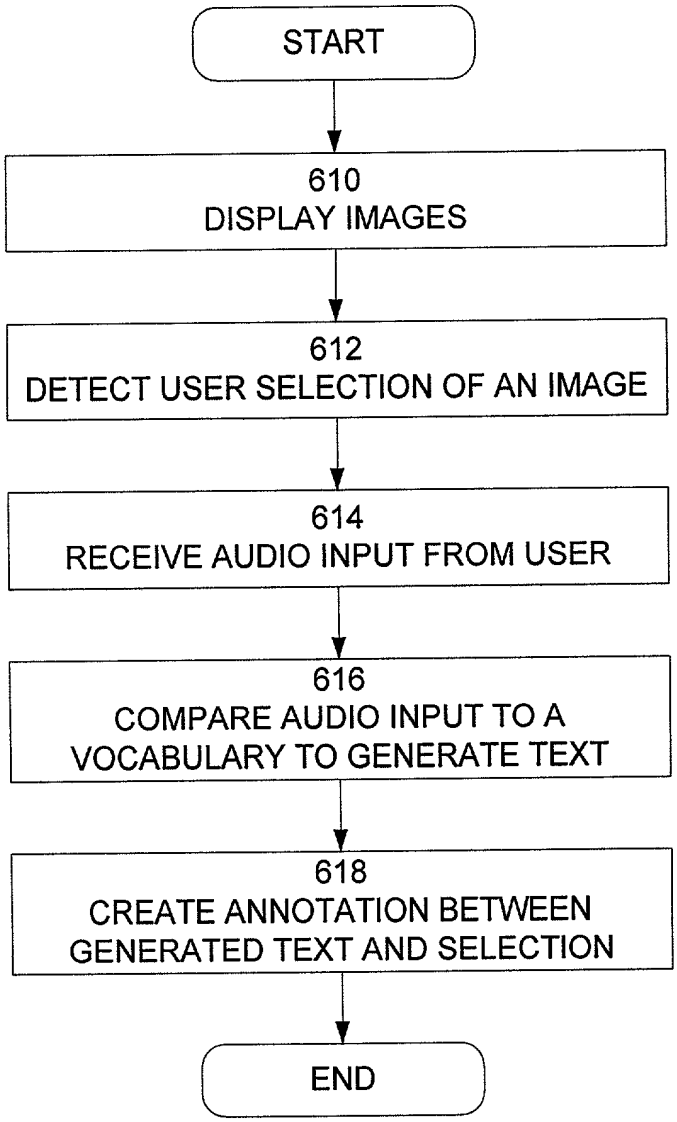
START
610
DISPLAY IMAGES
612
DETECT USER SELECTION OF AN IMAGE
614
RECEIVE AUDIO INPUT FROM USER
616
COMPARE AUDIO INPUT TO A VOCABULARY TO GENERATE TEXT
618
CREATE ANNOTATION BETWEEN GENERATED TEXT AND SELECTION
END

FIGURE 6

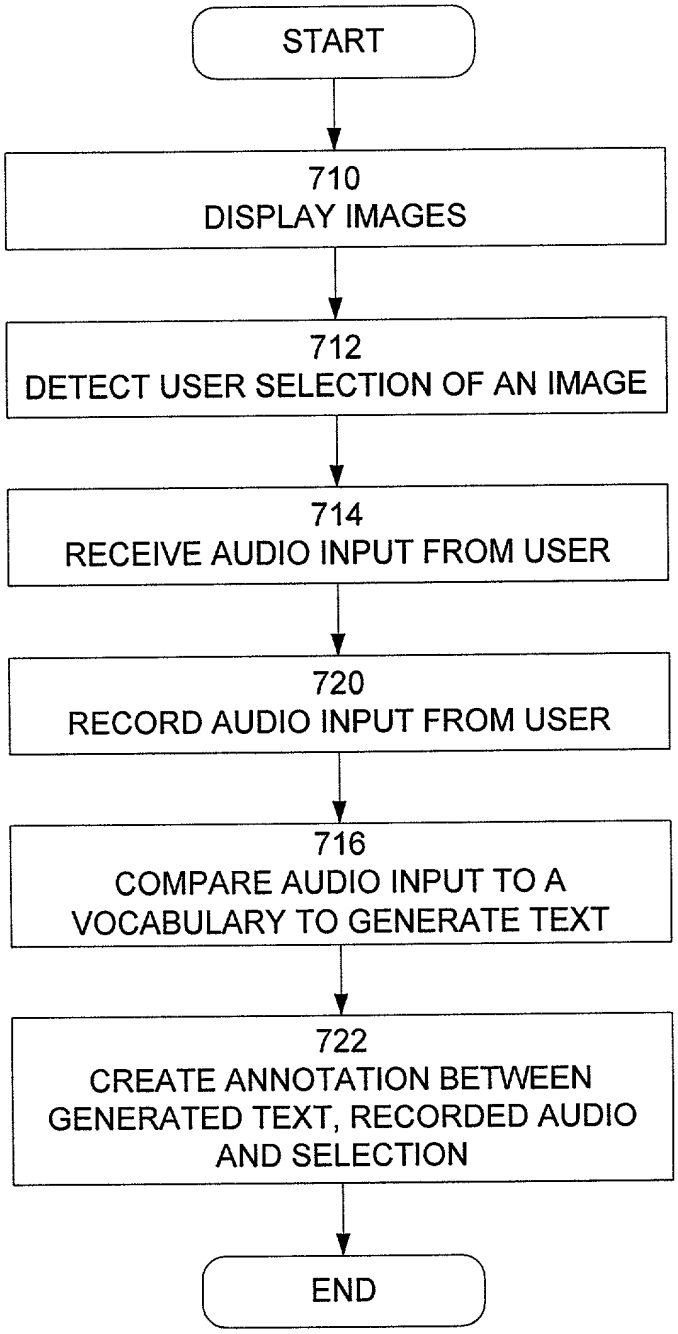
START
710
DISPLAY IMAGES
712
DETECT USER SELECTION OF AN IMAGE
714
RECEIVE AUDIO INPUT FROM USER
720
RECORD AUDIO INPUT FROM USER
716
COMPARE AUDIO INPUT TO A VOCABULARY TO GENERATE TEXT
722
CREATE ANNOTATION BETWEEN GENERATED TEXT, RECORDED AUDIO AND SELECTION
END

FIGURE 7

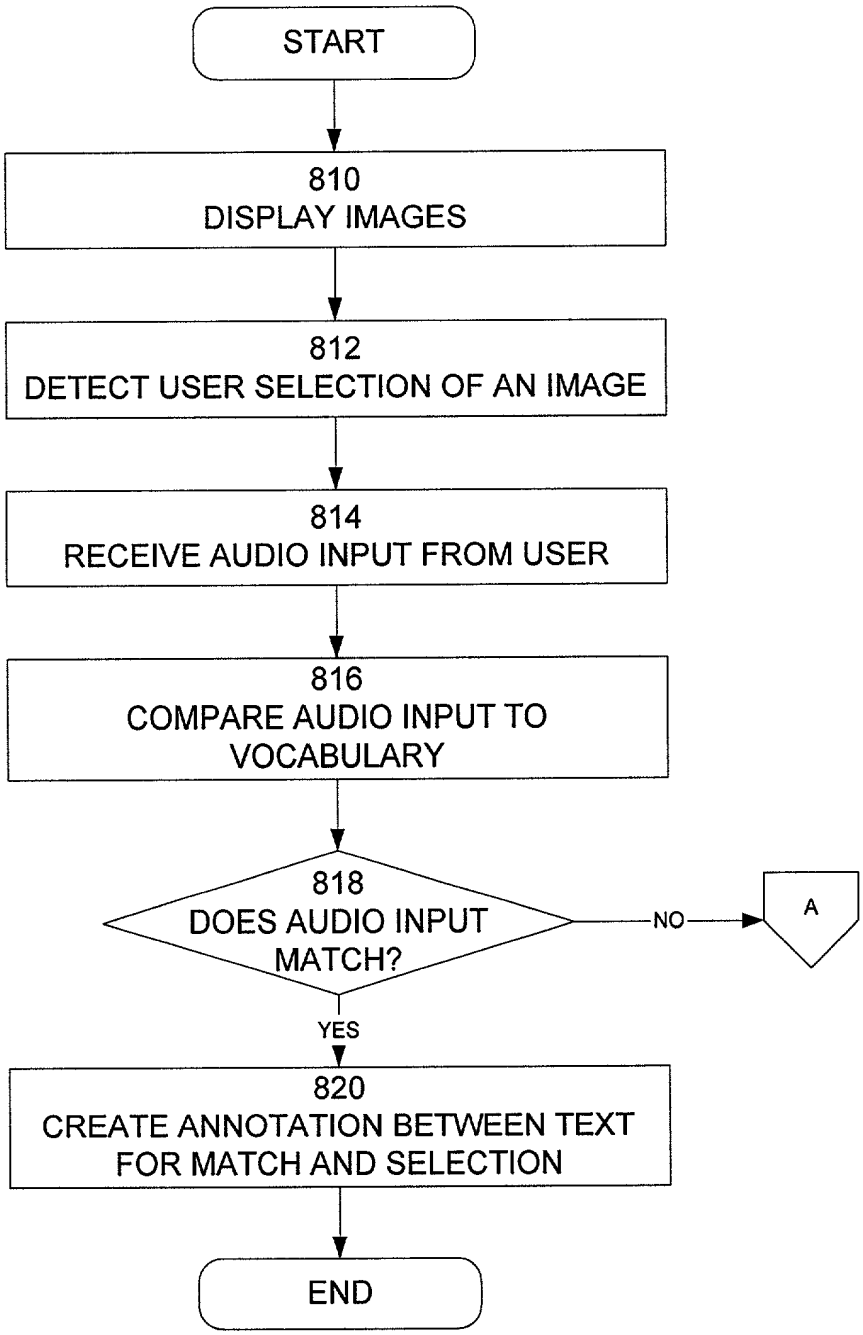
START
810
DISPLAY IMAGES
812
DETECT USER SELECTION OF AN IMAGE
814
RECEIVE AUDIO INPUT FROM USER
816
COMPARE AUDIO INPUT TO VOCABULARY
818
DOES AUDIO INPUT MATCH?
NO
A
YES
820
CREATE ANNOTATION BETWEEN TEXT FOR MATCH AND SELECTION
END

FIGURE 8A

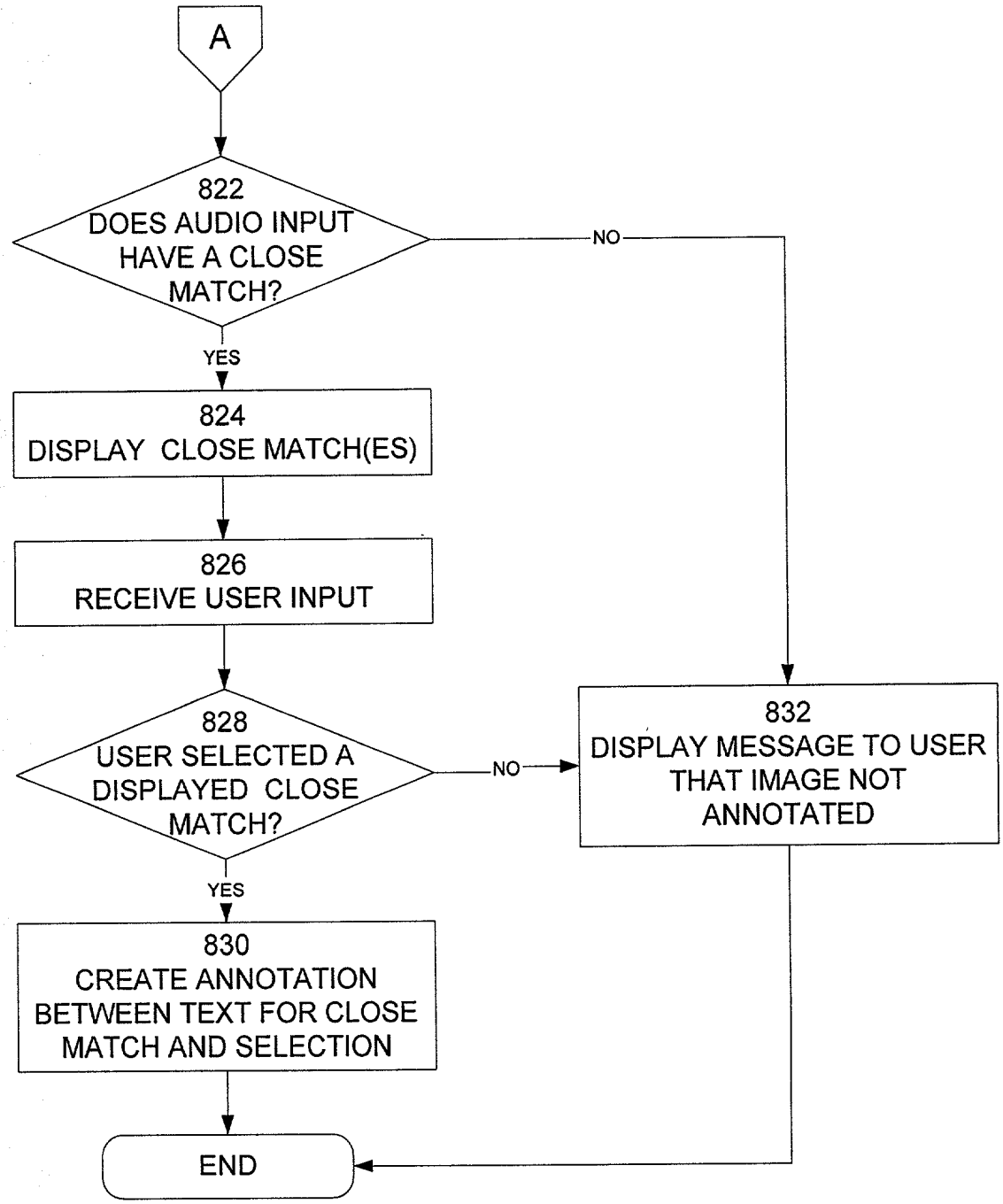
A
822
DOES AUDIO INPUT HAVE A CLOSE MATCH?
NO
YES
824
DISPLAY CLOSE MATCH(ES)
826
RECEIVE USER INPUT
828
USER SELECTED A DISPLAYED CLOSE MATCH?
NO
YES
832
DISPLAY MESSAGE TO USER THAT IMAGE NOT ANNOTATED
830
CREATE ANNOTATION BETWEEN TEXT FOR CLOSE MATCH AND SELECTION
END

FIGURE 8B

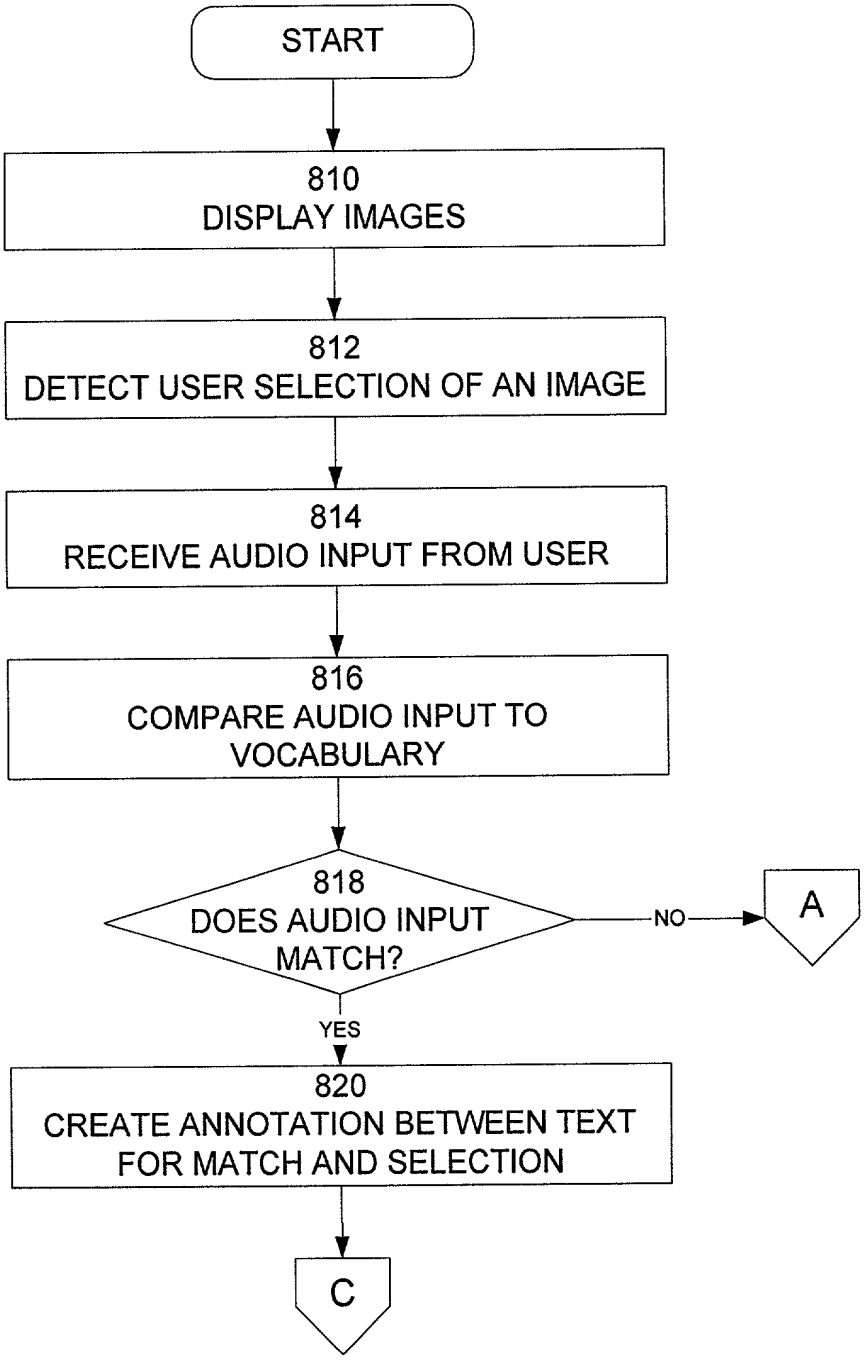
START
810
DISPLAY IMAGES
812
DETECT USER SELECTION OF AN IMAGE
814
RECEIVE AUDIO INPUT FROM USER
816
COMPARE AUDIO INPUT TO VOCABULARY
818
DOES AUDIO INPUT MATCH?
NO
A
YES
820
CREATE ANNOTATION BETWEEN TEXT FOR MATCH AND SELECTION
C

FIGURE 9A

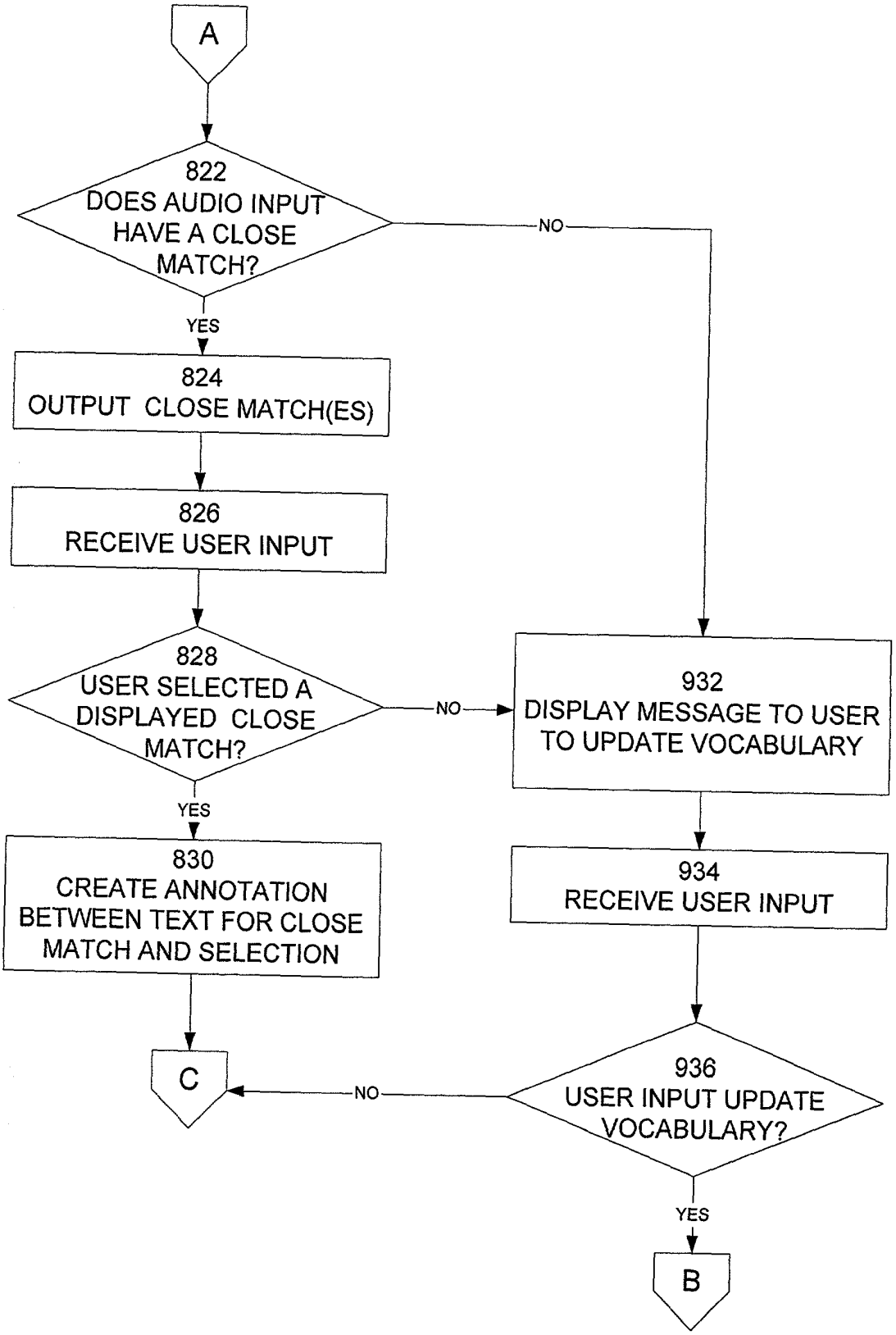
A
822
DOES AUDIO INPUT HAVE A CLOSE MATCH?
NO
YES
824
OUTPUT CLOSE MATCH(ES)
826
RECEIVE USER INPUT
828
USER SELECTED A DISPLAYED CLOSE MATCH?
NO
932
DISPLAY MESSAGE TO USER TO UPDATE VOCABULARY
YES
830
CREATE ANNOTATION BETWEEN TEXT FOR CLOSE MATCH AND SELECTION
934
RECEIVE USER INPUT
C
NO
936
USER INPUT UPDATE VOCABULARY?
YES
B

FIGURE 9B

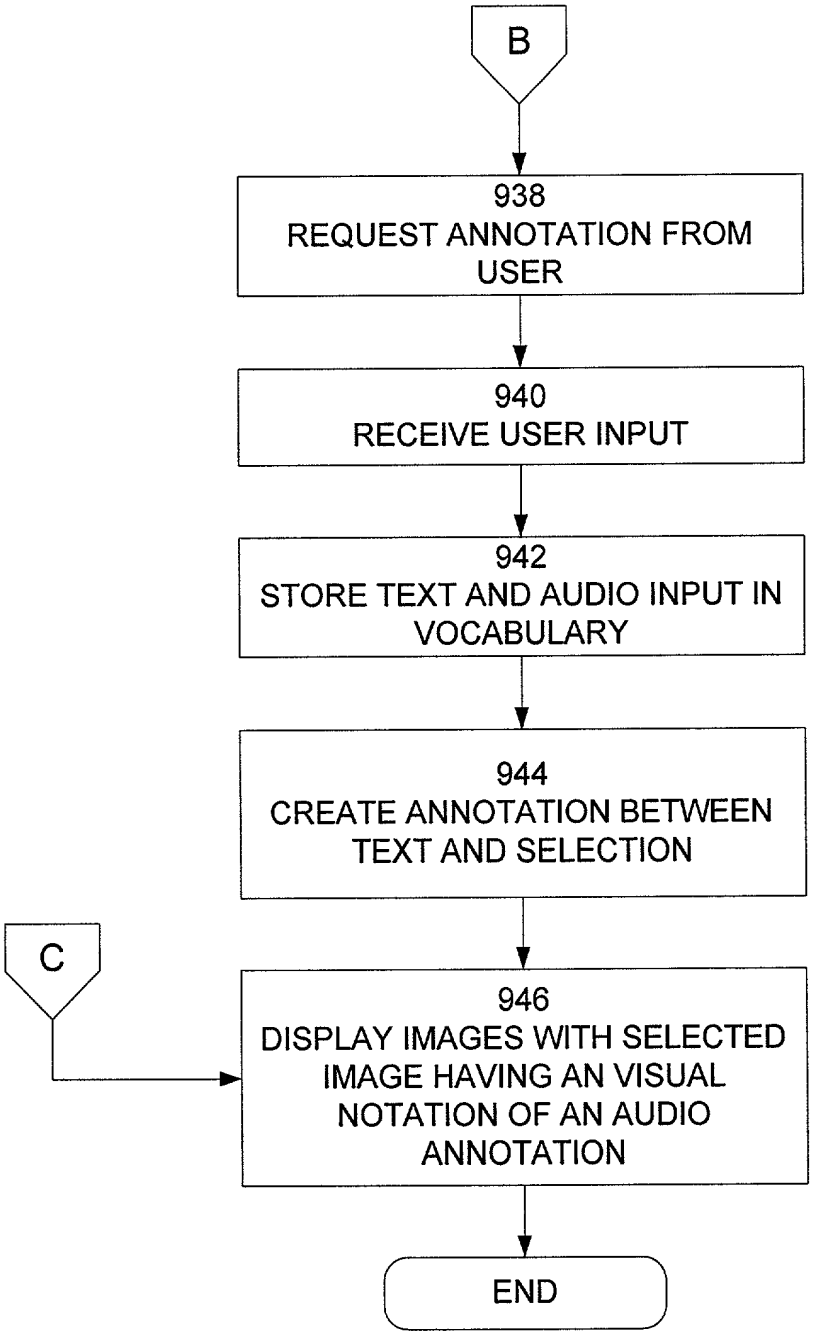
B
938
REQUEST ANNOTATION FROM USER
940
RECEIVE USER INPUT
942
STORE TEXT AND AUDIO INPUT IN VOCABULARY
944
CREATE ANNOTATION BETWEEN TEXT AND SELECTION
C
946
DISPLAY IMAGES WITH SELECTED IMAGE HAVING AN VISUAL NOTATION OF AN AUDIO ANNOTATION
END

FIGURE 9C

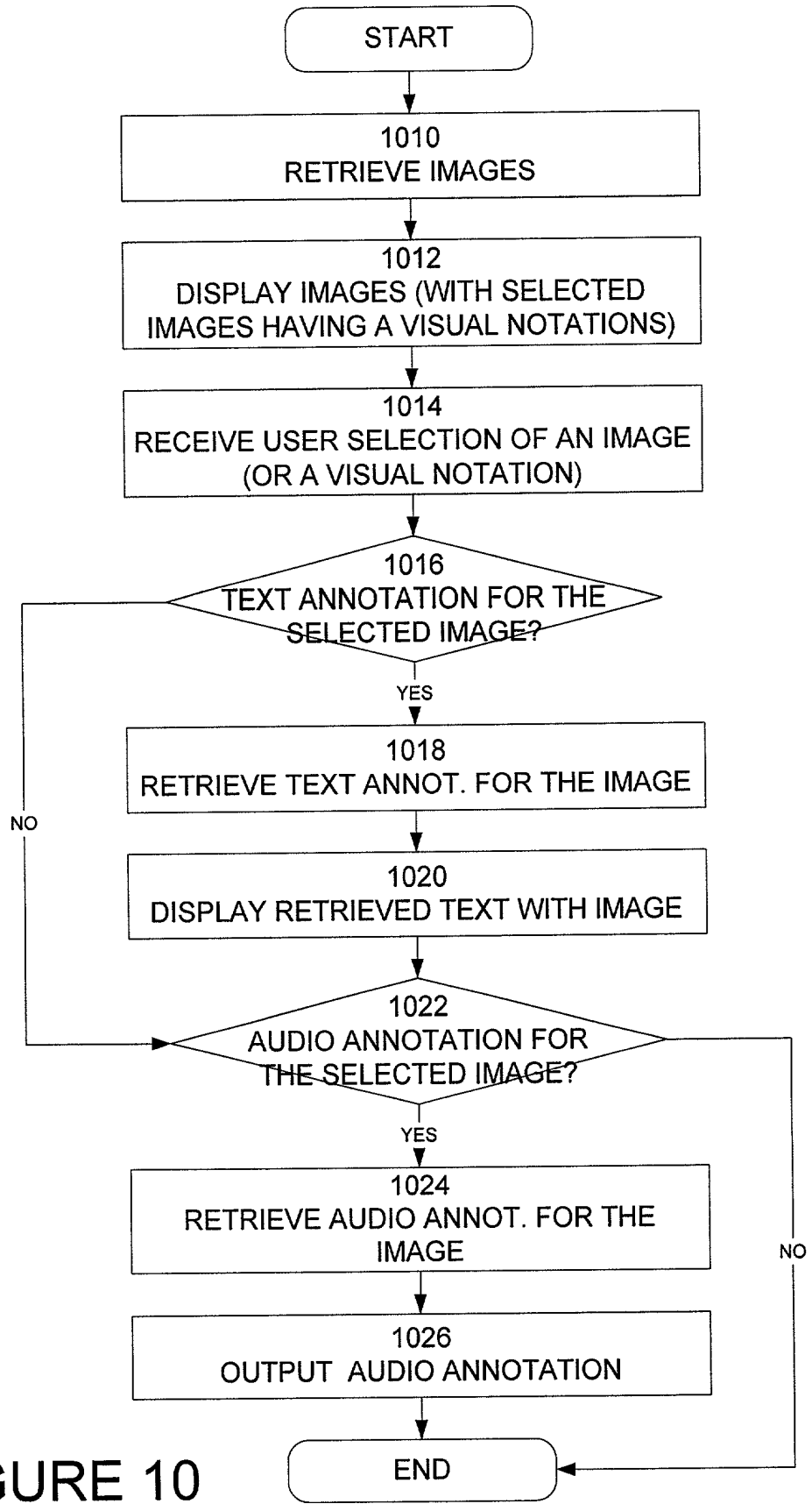

FIGURE 10

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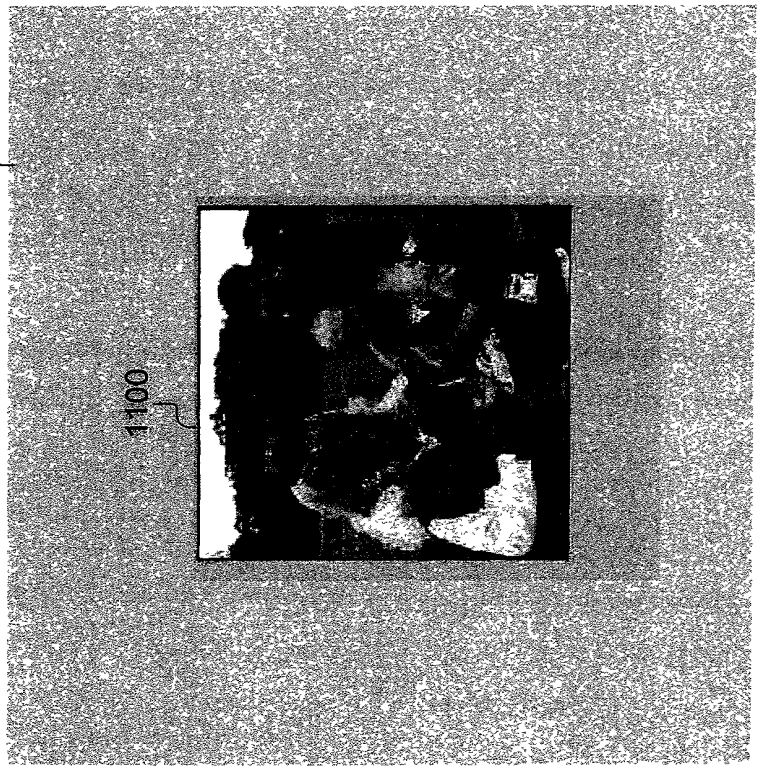

Figure 11A

20060135270-A1

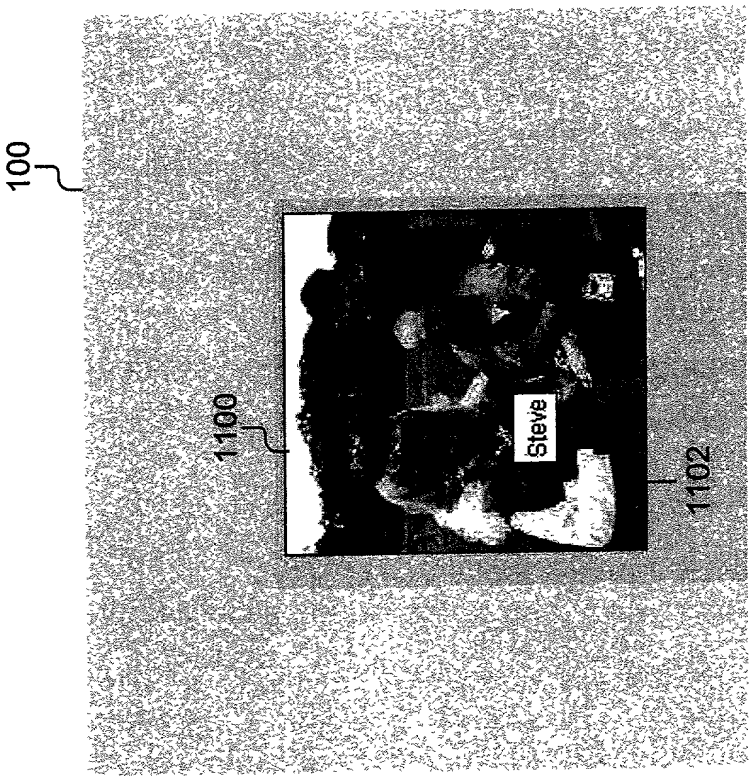

Figure 11B

Petitioner's Exhibit 1004, p. 1004

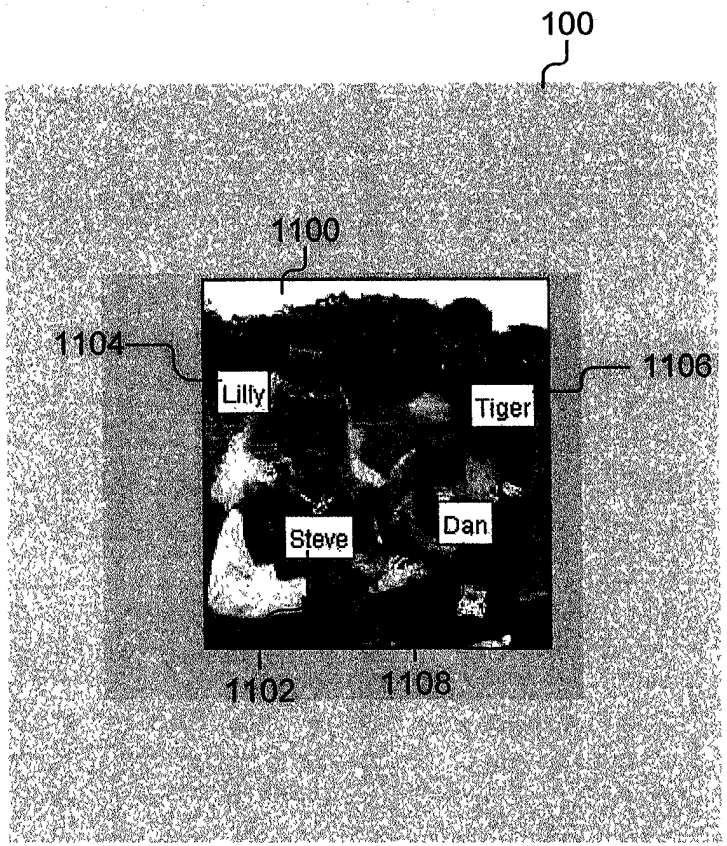

Figure 11C

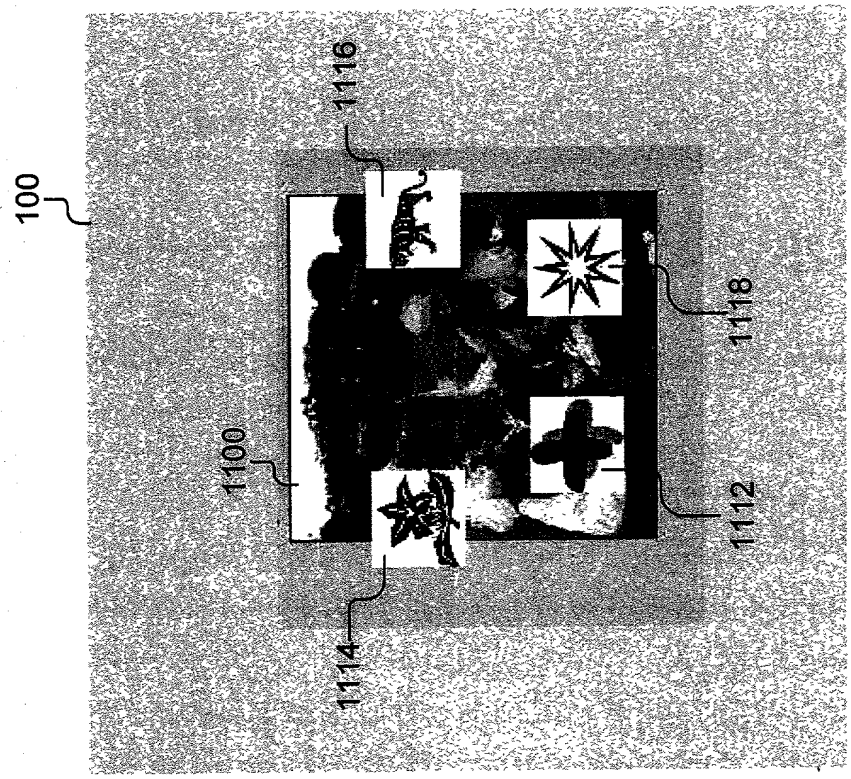

Figure 11D

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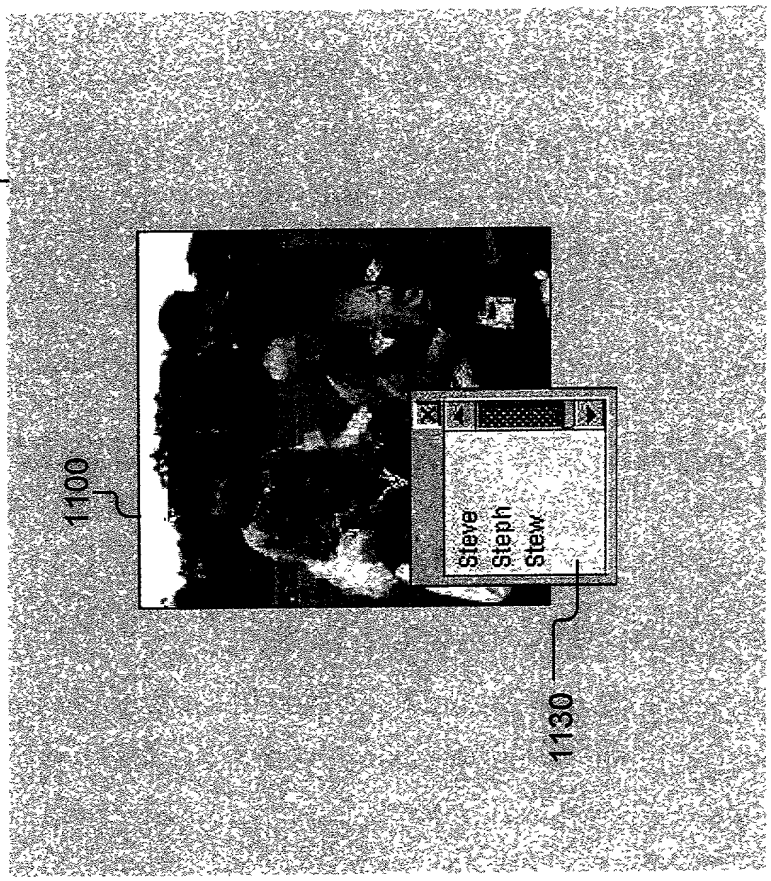

Figure 11E

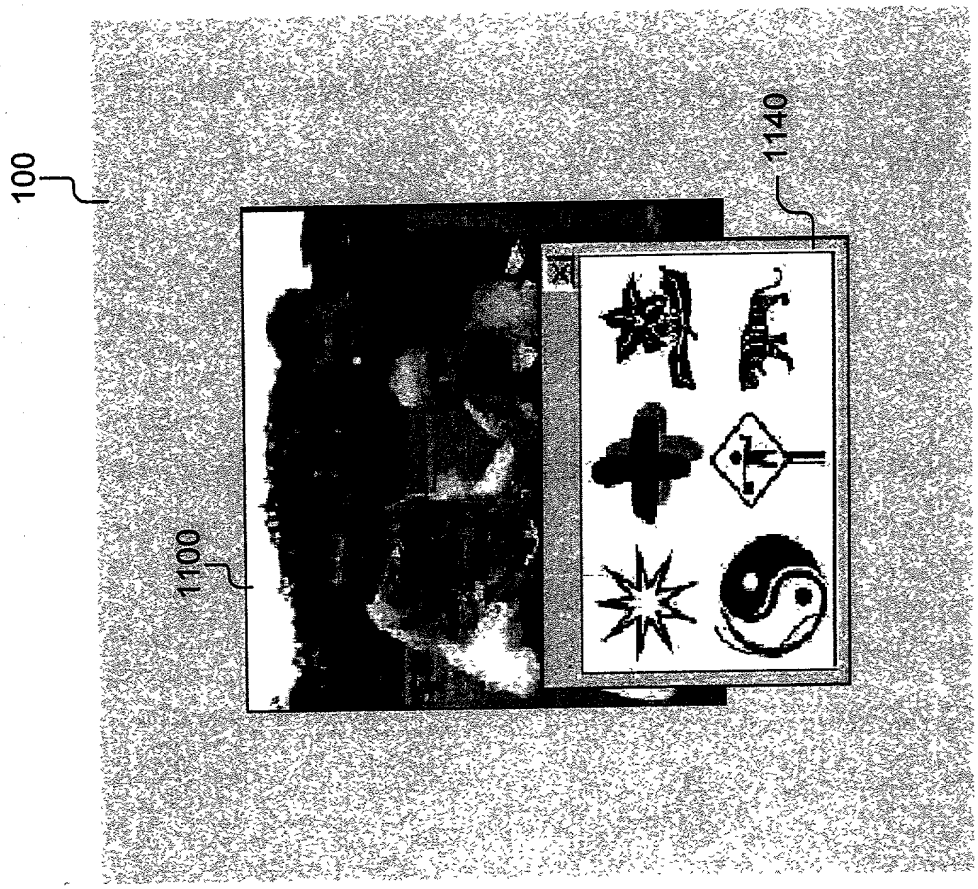

Figure 11F

20060204-5454-0004

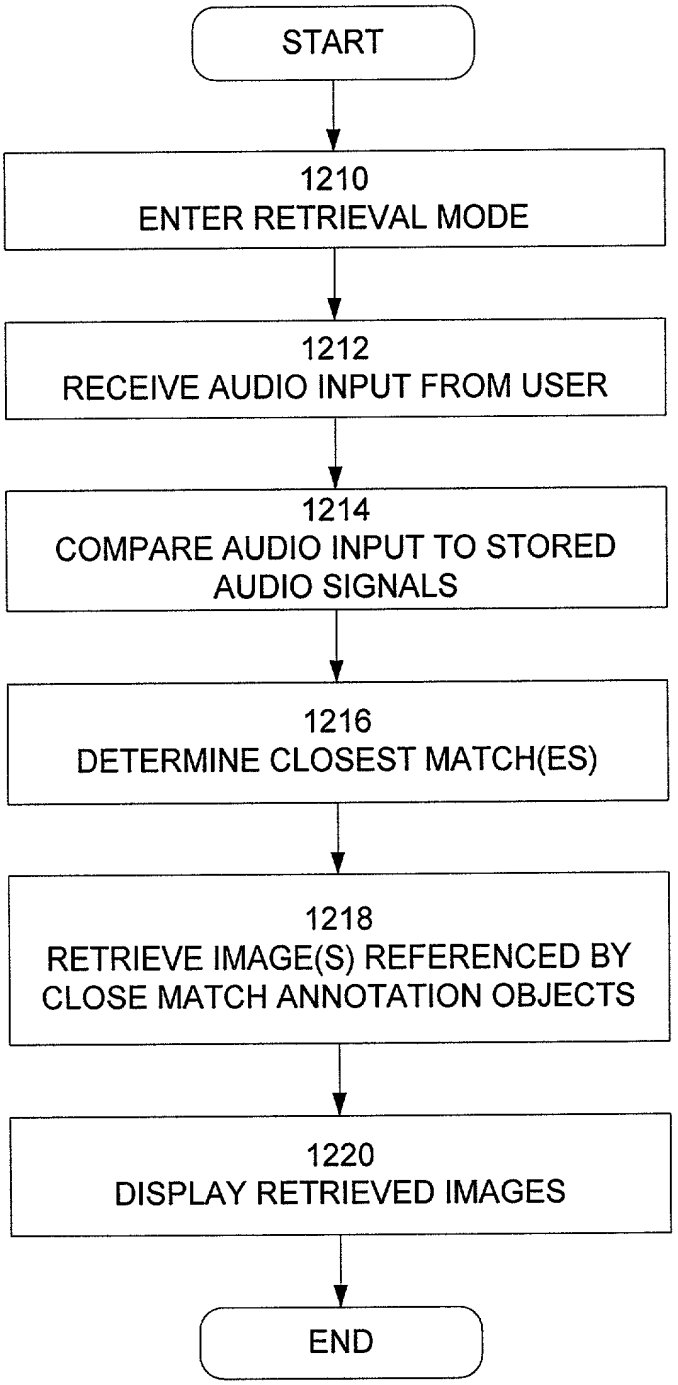

FIGURE 12

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